

IN THE SPECIFICATION:

Please amend Page 1, Paragraph [0001] to read as follows:

This invention relates to a device ~~to measure a degree of acquisition~~ for measuring a degree of acquisition to a target work for a subject by making use of a change of brain activities of the subject.

Please amend Page 1, Paragraph [0002] to read as follows:

A variety of methods have been presented to enhance an educative effect and a new educational method is also being developed [[with]] by employing personal computers. (Refer to a patent document.)

Please amend Page 1, Paragraph [0003] to read as follows:

It is essential for any educational mode to grasp intelligibility of a learner and to verify an educational effect in order to establish an achievement or a method of education. If a learner proceeds to a next step without mastering a step or a learner is forced to get education of a step that the learner has already mastered, the learner may feel a disincentive and it is not preferable from a viewpoint of efficiency. Then, intelligibility of a learner is estimated based on, for example, an educator's subjective judgment or a score of an examination. An example of an educational system with a computer is found in Japan Patent Publication No. 8-227266,

(Patent document 1)

Please amend Page 2, Paragraph [0006] to read as follows:

The present claimed invention intends to offer an objective scientific data of educational effect by applying the brain science to an educational field. More specifically, the present claimed inventor has found that intelligibility [[to]] for performing a work is closely related to diachronic change of a blood amount or/and a blood component amount in a predetermined region of brains as a result of repeated experiments and a committed review. [[and]] The present invention intends to develop a preferable educational method confirmed by [[a]] scientific data of an educational effect or to provide a simple measure that is effective to set objective guidelines for an educational curriculum by making use of the above-mentioned relationship.

Please amend Page 3, Paragraph [0009] to read as follows:

Further, since the device measures a blood volume amount or/and a blood amount component amount, it is possible to conduct a measurement under a non-invasive condition without constraining a movement of the subject with a simple arrangement, thereby to conduct a measurement under a natural environment, for example, by making use of a near-infrared spectroscopy. Further, since the near-infrared spectroscopy is superior in time resolution, a degree of acquisition for a learner can be obtained on the spot in real time.

Please amend Page 10, Paragraph [0035] to read as follows:

A result and an achievement of the work are shown in Fig. 4 and Fig. 5. According to Fig. 4 and Fig. 5, each distance between lines the subject P draws is wide and uneven during the work in the first and the second cycles and each distance between lines the subject P draws is narrow and a number of lines is increased on and after the work in the third cycle, which shows a

tendency of stability on and after the work in the third cycle. As a result of this, it is conceivable that a degree of ~~leaning~~ learning to the work for the subject P ascends on and after the work in the third cycle.

Please amend Page 15, Paragraph [0052] to read as follows:

As mentioned above, in accordance with the present claimed invention, a degree of acquisition to a work for a subject P can be obtained objectively from the waveform of diachronic change data waveform of the blood volume amount or/and the blood amount component amount in a predetermined region of brains of the subject P. As a result of this, it is possible for an educator to obtain a degree of acquisition of a learner during education without imposing a special burden such as an examination to the learner and it is also possible to provide a development of a new educational method or an establishment of objective guidelines of an educational curriculum with a big potential. In addition, since the present claimed invention only detects diachronic change of the blood volume amount or/and the blood amount component amount and outputs waveforms, there is no need of a complicated processing nor mechanisms such as an image processing.

Please amend Page 15, Paragraph [0053] to read as follows:

Further, since the device in accordance with the present claimed invention measures a blood volume amount or/and a blood amount component amount, it is possible to conduct a measurement under a non-invasive condition without constraining a movement of the subject with a simple arrangement, thereby to conduct a measurement under a natural environment, for example, by making use of a near-infrared spectroscopy. Further, since the near-infrared

spectroscopy is superior in time resolution, a degree of acquisition for a learner can be obtained on the spot in real time.